

1-16. (Cancelled).

17. (Currently Amended) A system, comprising:

a server-side computing arrangement configured to provide numerical analysis data to a user-side computing arrangement which is connected to a network to perform a numerical analysis regarding a working member and a forming member, the working and forming members being produced by using a predetermined material,

wherein the user-side computing arrangement comprises:

i. a first arrangement configured to input a material name and a material model identification number identifying at least one of a type of material property data, a type of material analysis model, a name of an analysis program or a version thereof,

ii. a second arrangement configured to store addresses of the server-side computing arrangement corresponding to the material name and the material model identification number, and

iii. a third arrangement configured to transmit the material name and the material model identification number to the server-side computing arrangement having the address corresponding to the material name and the material model identification number inputted from the first arrangement,

wherein the server-side computing arrangement comprises:

i. a fourth arrangement configured to store the material name and the material model identification number corresponding to one or more types of a material property data from (a) a mechanical property value, (b) a thermal physical property value, or (c) an electromagnetic property value as for a number of materials,

ii. a fifth arrangement configured to receive the material name and the material model identification number transmitted from the third arrangement of the user-side computing arrangement,

iii. a sixth arrangement configured to extract the one or more types of the material property data from (a) the mechanical property value, (b) the thermal physical property value, or (c) the electromagnetic property value corresponding to the material name and the material model identification number stored by the fourth arrangement based on the received material name and the material model identification number, and

iv. a seventh arrangement configured to transmit the material property data extracted by the sixth arrangement to the user-side computing arrangement, and

wherein the user-side computing arrangement further comprises:

i. an eighth arrangement configured to receive the material property data transmitted from the seventh arrangement of the server-side computing arrangement, and

ii. a ninth arrangement configured to perform a numerical analysis by using the material property data such that the user is unconcerned regarding substances of the material property data.

18. (Original) The system according to claim 17, wherein the server-side computing arrangement further comprises a tenth arrangement configured to avail the material property data to the ninth arrangement and precluding the user from having access thereto when the material property data extracted by the sixth arrangement is transmitted to the user-side computing arrangement.

19. (Currently Amended) A system for providing numerical analysis data to a user-side computing arrangement connected to a network to perform a numerical analysis regarding a working member and a forming member created using a predetermined material, comprising:

a first arrangement configured to store a material name and a material model identification number identifying at least one of a type of material property data, a type of material analysis model, a name of an analysis program or a version thereof, which correspond to one or more types of a material property data from (a) a mechanical property value, (b) a thermal physical property value, or (c) an electromagnetic property value provided for a number of materials;

a second arrangement configured to receive the material name and the material model identification number transmitted from the user-side computing arrangement;

a third arrangement configured to extract the one or more types of the material property data from (a) the mechanical property value, (b) the thermal physical property value, and (c) the electromagnetic property value corresponding to the material name and the material model identification number stored by the first arrangement based on the received material name and the material model identification number;

a fourth arrangement configured to transmit the material property data extracted by the third arrangement to the user-side computing arrangement; and

a fifth arrangement configured to avail the material property data and include a numerical analysis arrangement provided in the user-side computing arrangement and

unavailable to a user when the material property data extracted by the third arrangement is transmitted to the user-side computing arrangement.

20. (Currently Amended) A system for receiving a provision of numerical analysis data from a server-side computing arrangement connected to a network to perform a numerical analysis regarding a working member and a forming member created using a predetermined material, comprising:

a first arrangement configured to input a material name and a material model identification number identifying at least one of a type of material property data, a type of material analysis model, a name of an analysis program or a version thereof;

a second arrangement configured to store addresses of the server-side computing arrangement corresponding to the material name and the material model identification number;

a third arrangement configured to transmit the material name and the material model identification number to the server-side computing arrangement having at least one of the addresses corresponding to the material name and the material model identification number inputted from the first arrangement,

a fourth arrangement configured to receive one or more types of a material property data from (a) the mechanical property value, (b) the thermal physical property value, and (c) the electromagnetic property value corresponding to the material name, that are extracted from a material property data storage arrangement based on the material name and the material model identification number and transmitted at the server-side computing arrangement; and

a fifth arrangement configured to perform a numerical analysis using the material property data such that the user is unconcerned regarding substances of the material property data.

21. (Currently Amended) A method for providing numerical analysis data by a server-side computing arrangement to a user-side computing arrangement which is connected to a network to perform a numerical analysis regarding a working member and a forming member created using a predetermined material, comprising:

transmitting a material name and a material model identification number identifying at least one of a type of material property data, a type of material analysis model, a name of an analysis program or a version thereof to the server-side computing arrangement having an address corresponding to the material name and the material model identification number inputted from an input arrangement at the user-side computing arrangement,

receiving the material name and the material model identification number transmitted from the user-side computing arrangement;

extracting one or more types of material property data from (a) a mechanical property value, (a) a thermal physical property value, or (c) an electromagnetic property value corresponding to the material name and the material model identification number stored by a material property data storage arrangement in which the material name and the material model identification number are stored which correspond to one or more types of the material property data from (a) the mechanical property value, (b) the thermal physical value, or (c) the electromagnetic property value for a number of

materials based on the received material name and the material model identification number;

transmitting the extracted material property data, to the user-side computing arrangement so as to be available to a numerical analyzer and invisible to a user, from the server-side computing arrangement; and

receiving, at the user-side computing arrangement, the material property data transmitted from the server-side computing arrangement.

22. (New) The system according to claim 17, wherein the material model identification number identifies the name of the analysis program.

23. (New) The system according to claim 19, wherein the material model identification number identifies the name of the analysis program.

24. (New) The system according to claim 20, wherein the material model identification number identifies the name of the analysis program.

25. (New) The method according to claim 21, wherein the material model identification number identifies the name of the analysis program.

26. (New) The system according to claim 19, wherein the first arrangement is configured to store the material name and the material model on a server-side

computing arrangement, and the fifth arrangement is configured to avail the type of material property data on the user-side computing arrangement.

27. (New) The system according to claim 20, wherein the server-side computing arrangement is configured to store the material name and the material model identification number corresponding to the one or more types of the material property data from at least one of: (a) the mechanical property value, (b) the thermal physical property value, or (c) the electromagnetic property value.

28. (New) The method according to claim 21, wherein the server-side computing arrangement comprises the material property data storage arrangement.

29. (New) The system according to claim 17, wherein the type of material analysis model is at least one of an elastic model, an elasto-plastic model or a visco-plastic model.

30. (New) The system according to claim 19, wherein the type of material analysis model is at least one of an elastic model, an elasto-plastic model or a visco-plastic model.

31. (New) The system according to claim 20, wherein the type of material analysis model is at least one of an elastic model, an elasto-plastic model or a visco-plastic model.

32. (New) The method according to claim 21, wherein the type of material analysis model is at least one of an elastic model, an elasto-plastic model or a visco-plastic model.